

Compared:
C. & C. D.

SPECIFICATION

FOR THE

LABOR AND MATERIALS

IN THE ~~ERECTION AND~~ COMPLETION OF

*the Excavation, Underpinning, and Concrete Work required for
the Extension of the U. S. Mint Building at Philadelphia, Pa.*

C O N T E N T S .

1. ADVERTISEMENT.	13. IRON STAIR CASE.
2. GENERAL CONDITIONS.	14. PARTITIONS AND FURRING.
3. EXCAVATION.	15. LATHING AND PLASTERING.
4. CONCRETE.	16. MARBLE WORK.
5. ^{<i>Underpinning.</i>} BRICK WORK.	17. PAINTING.
6. STONE WORK.	18. GLAZING.
7. IRON WORK.	19. HARDWARE.
8. CARPENTER WORK.	20. PLUMBING.
9. SLATING.	21. GAS FITTING.
10. METAL WORK OF ROOF.	22. APPROACHES.
11. JOINER WORK.	23. VAULT DOORS.
12. WOOD STAIR CASE.	BLANK PROPOSAL.

NOTE.—The red numbers in specification refer to paragraphs, with corresponding numbers, in Addenda, which form a part of the specification, and must be read in connection with it.

SPECIFICATION.

GENERAL CONDITIONS.

PROPOSALS FOR THE LABOR AND MATERIALS IN THE COMPLETION OF THE

EXCAVATING, UNDERPINNING AND CONCRETE WORK REQUIRED FOR THE EXTENSION OF THE U. S. MINT, BUILDING, AT PHILADELPHIA, PA.

))))))))))

Sealed Proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D.C. until 2 o'clock P.M., on the *18th* day of *March* 1889, for the labor

and materials required in the completion of the Excavation, Underpinning and Concrete work required for the Extension of the U. S. Mint Building, at PHILADELPHIA, PA. in accordance with the speci-

fication and drawings, copies of which may be seen at the Office

of the Superintendent of Construction in U. S. Post Office building

Each bid must be accompanied by a certified check for \$200.00

March

1889,

WILL. A. FRUNET,

Supervising Architect.

If the contractor fail to complete the work within the time specified in the contract, a forfeiture of dollars will be exacted for each day's delay.

[For drawings, see No. *1*, Addenda.]

July 5

SPECIFICATION.

2.—GENERAL CONDITIONS.

CONDITIONS OF BID.

[See No. _____, Addenda.]

Proposals are to be made on a blank form hereto attached, and must state the sum or rate required to fulfill a contract in accordance with the specification and drawings; also the time required to complete the contract.

With each bid must be sent a certified check for \$ 200.00, drawn to the order of the Treasurer of the United States, as a guarantee that the bidder will perform the work if the contract be awarded him; and, if the Department so desire, will execute a formal contract within two weeks from the receipt thereof for the said work, giving a satisfactory bond for the faithful performance of the same.

The checks of the unsuccessful bidders will be returned upon the award of the contract; that of the successful bidder, upon the approval of the formal contract by the Secretary of the Treasury, or upon the satisfactory completion of the work, in case such contract shall not have been required. Should the successful bidder refuse or fail to execute such contract or bond, his check will be forfeited, and the contract become null, if the Secretary of the Treasury shall so direct.

Proposals will be considered only from parties giving satisfactory references.

Each bidder to submit with his bid samples of the stone, ~~brick~~, cement, sand, ~~marble, tiling, and finished wood~~ he proposes to use, and such other samples as may be required for approval afterwards. No bid will be considered unless the check and samples are at this office at the time of the opening of the bids.

In case standard samples are on file in this office, or the bidder wishes samples submitted on some other building to apply to this bid, attention must be called thereto in his proposal, or the samples will not be considered as received.

The names of the officers of any corporation, or of the members of a firm, submitting a bid, must be given in full in the proposal, in addition to the corporation, or the firm, signature.

Parties obtaining copies of the drawings, &c., must return them within _____ days from the date of receipt.

Each proposal must be inclosed in an envelope, sealed, and indorsed "Proposal for the labor and materials required in the ~~erection and~~ completion of the ~~United States~~ excavation, underpinning, and concrete work for the extension of the U. S. Mint at Philadelphia, Pa.,"

and addressed to the Supervising Architect, Treasury Department.

The Government reserves the right to reject any or all bids, and to waive defects, should it be deemed in its interest to do so.

Each bidder is requested to examine the ^{building and} site, and must assume responsibility for all errors or omissions on account of his failure to do so.

The dimensions given on the drawings are in accordance with the general plans; but as variations may occur, or may have occurred, in construction, the contractor is required to make his measurements at the building, construct his work accordingly, and will be held responsible for any errors in his figures and for the proper fitting of his work.

CONDITIONS OF CONTRACT.

Proposals must include the furnishing of labor and materials—with scaffolding, fixtures, machinery, tools, &c.—necessary for the complete and substantial execution of everything described, shown, or reasonably implied in the specification and drawings, without any extra charge whatever, and to the satisfaction of the Supervising Architect, whose decisions on all questions pertaining thereto shall be final.

All materials must be the best of their several kinds, and all workmanship of the best quality.

The Supervising Architect reserves the right to make any alterations in the work without affecting the validity of the contract; the value of such alterations, at market rates, to be taken from or added to the amount to be paid under the contract, but no additional compensation will be allowed unless the price be first agreed upon and the work authorized, in writing, by the Supervising Architect.

The contractor must lay out his own work correctly, and be responsible for measurements. The contractor must give to the proper authorities all requisite notices, obtain official permits and licenses, and pay all proper fees for the same, and must be responsible for all damage or injury caused to persons and property through his operations.

The Supervising Architect, or the superintendent, may require the contractor to remove from the premises such of his materials or work as is not in accordance with the specification, and to substitute, without delay, satisfactory work and materials, the expense attending the same to be borne by the contractor.

~~Dwarf walls must in no case be connected by bond to main walls, but be left free; and sills, platforms, steps, &c., that are to rest on dwarf walls, must not be set until the main walls shall have settled.~~

All rubbish must be removed and the premises be left broom-clean.

Generally, payments will be made as the work progresses and in accordance with the terms of the contract, 10 per cent. of the value of the work done being retained until the final acceptance of the work.

If the contractor fail to complete the work within the time specified in the contract, a forfeiture of fifty dollars will be exacted for each day's delay.

[For drawings, see No. 1, Addenda.]

3.—EXCAVATION.

Excavation for building, trenches, pier-footings, ~~areas~~, &c., to be of depth and extent shown on drawings. The banks to be dug well away from walls, and supported with timbers or sheet-piling where required. The bottoms of all excavations to be level and true.

All superfluous earth and rubbish to be removed after sufficient has been retained for grading and other purposes.

The excavation for soil-pipes, drains, man-holes, cut-offs, &c., ~~to be made as shown~~ *will not be included*

From man-hole to sewer, about _____ feet of _____ best glazed earthenware drain-pipe to be laid as shown, all uniformly graded, the bed hollowed for hubs, all jointed with clear, fresh Portland cement, and the joints scraped smooth inside as laid. The trench to be left open until the pipe has been inspected.

Three-inch agricultural drainage-pipes to be furnished and laid all around the outside walls of the building, after the asphalt coat is on, with proper descent to pipe connecting with drain outlet of building, and to be covered with broken stone to within four inches of grade-line of ground, laid close to the asphalted walls, diminishing towards the top, the remainder of the opening to be filled with earth.

ROCK EXCAVATION.

The contractor to remove all rock, bowlders, old masonry or brick-work, &c., that may be found while excavating, and to do all necessary blasting.

Where the building is to rest upon rock, stepping may be required for the trenches, and the whole pit to be excavated to a reasonably smooth level, to receive the concrete for cellar or basement floor, as shown on drawings.

[See No. 2, Addenda.]

4.—CONCRETE.

The trenches, of dimensions shown on drawings, to be filled with concrete. The concrete to be composed of five parts of sound stone, broken to about the size of 2-inch cube, two parts of clean sharp sand and one part of American hydraulic cement, to be well mixed and laid in layers about 6 inches thick and gently rammed down. Each layer to be wet before the next is added, and leveled with a skim coat of cement-mortar properly grouted in. Proper provision to be made for the passage of drain-pipes, &c., where necessary, or shown on drawings. Centers for inverted arches, where shown on drawings, to be formed of concrete to suit the line of the extrados of the brick arch.

The arches for wood floors to be leveled up to within 3½ inches of finished floor with cement concrete. The concrete to be filled in to the top of the strips after the wooden strips are laid.

Concrete for tiled floors to be leveled up to within 2 inches of floor-line.

The floors of water-closet room, hall, and stair-hall in basement, to receive a layer of cement concrete 4 inches thick, with one coat of cement plaster, 1 inch thick, of half Portland cement and half sand, laid smooth and properly graded.

STONE FOOTINGS.

Stone footings to be furnished and set on top of concrete ~~or~~ *the number of* where shown, in ~~two~~ *and* courses, ~~breaking joints~~ *breaking joints*, of dimensions shown on drawings, *and be of the different kinds of stone noted.*

[See No. 3, Addenda.]

U.S. MINT PHILADELPHIA, PA.

APPEND A.

1

The Contractor to furnish all labor and materials and do all the general and trench excavation, take down cross walls in East and West Pavilions, do all underpinning of walls and lay all the concrete foundations and stone footings required for the Extension of the U.S. Mint building at Philadelphia, Pa, in strict accordance with this specification and drawings Nos. 4 and 5.

WORK NOT INCLUDED.

The excavation for the drains, manholes, &c., will not be included.

DESCRIPTION OF DRAWINGS.

On the drawings the walls shown by hatched lines are new walls, all other work is old work and in place.

2

TAKING DOWN OLD WORK.

The Contractor to take down the cross walls in Basement in the East and West Pavilions, on Chestnut Street front, also the arches and iron beams forming and supporting the first floor of these portions of the present building.

The material taken out of walls &c., to be cleaned by the contractor and neatly piled in such places as may be directed by the Superintendent and all refuse material and debris to be removed from the premises.

3

UNDERPINNING.

The Contractor to do all necessary shoring, underpinning, &c., required and as shown on drawing. All necessary jacks, blocking, &c., to be furnished by the contractor and the contractor will be held responsible for any damage done to the building by improper shoring or underpinning.

W. A. French

Supervising Architect.

U.S. MINT PHILADELPHIA, PA.

A D D E N D A .

1

The Contractor to furnish all labor and materials and do all the general and trench excavation, take down cross walls in East and West Pavilions, do all underpinning of walls and lay all the concrete foundations and stone footings required for the Extension of the U.S. Mint building at Philadelphia, Pa, in strict accordance with this specification and drawings Nos. 4 and 5.

WORK NOT INCLUDED.

The excavation for the drains, manholes, &c., will not be included.

DESCRIPTION OF DRAWINGS.

On the drawings the walls shown by hatched lines are new walls, all other work is old work and in place.

2

TAKING DOWN OLD WORK.

The Contractor to take down the cross walls in Basement in the East and West Pavilions, on Chestnut Street front, also the arches and iron beams forming and supporting the first floor of these portions of the present building.

The material taken out of walls &c., to be cleaned by the contractor and neatly piled in such places as may be directed by the Superintendent and all refuse material and debris to be removed from the premises.

3

UNDERPINNING.

The Contractor to do all necessary shoring, underpinning, &c., required and as shown on drawing. All necessary jacks, blocking, &c., to be furnished by the contractor and the contractor will be held responsible for any damage done to the building by improper shoring or underpinning.

Wm. A. Greer

Supervising Architect.

PROPOSAL for *the Excavation, Underpinning, and Concrete Work re-*
quired for the Extension of the U. S. Mint Building at Phil-
adelphia, Pa.

, 1889.

MR. *Will. A. Leret,*
Supervising Architect,
Treasury Department,
Washington, D.C.

SIR:

hereby propose to furnish all labor and materials required for *the excava-*
tion, underpinning, and concrete work required for
the U. S. Mint Building at Philadelphia, Pa.

in strict accordance with the specification and drawings, for the sum of

Time to complete

[SIGNATURE.]

[ADDRESS.]

MEMBERS OF FIRM:

SPECIFICATION

FOR

Excavating - Underpinning and

Concrete Work Materials

Extension of the U.S. Mint

Phila Pa

Compared:
C & C.D.

Specification for the Labor and Materials

In the ~~Erection and~~ Completion of

The Excavation, Underpinning, and Concrete Work required for the Extension of the U.S. Mint Building at Philadelphia, Pa.

Contents.

1. Advertisement.
2. General Conditions.
3. Excavation.
4. Concrete.
5. Underpinning ~~Brick Work~~
- ~~6. Stone Work~~
- ~~7. Iron Work~~
- ~~8. Carpenter Work~~
- ~~9. Slating~~
- ~~10. Metal Work of Roof~~
- ~~11. Joiner Work~~
- ~~12. Wood Stair Case~~
- ~~13. Iron Stair Case~~
- ~~14. Partitions and Furring~~
- ~~15. Lathing and Plastering~~
- ~~16. Marble Work~~
- ~~17. Painting~~
- ~~18. Glazing~~
- ~~19. Hardware~~
- ~~20. Plumbing~~
- ~~21. Gas Fitting~~
- ~~22. Approaches~~
- ~~23. Vault Doors~~
- Blank Proposal.

Note. – The red numbers in specification refer to paragraphs, with corresponding numbers, in Addenda, which form a part of the specification, and must be read in connection with it.

Proposals for the Labor and Materials in the Completion of the Excavating, Underpinning & Concrete Work Required for the Extension of the U.S. Mint, Building, at Philadelphia, Pa.

Sealed Proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D.C. until 2 O'clock P.M., on the 18th day of March 1889, for the labor and materials required in the completion of the Excavation, Underpinning and Concrete work required for the Extension of the U.S. Mint Building, at Philadelphia, Pa. in accordance with the specification and drawings, copies of which may be seen at the Office of the Superintendent of Construction in U.S. Post Office building.

Each bid must be accompanied by a certified check for \$200.00

March 1889,

Will. A. Freret
Supervising Architect.

Specification.

2. – General Conditions.

Conditions of Bid.

(See No. ____, Addenda.)

Proposals are to be made on a blank form hereto attached, and must state the sum or rate required to fulfill a contract in accordance with the specification and drawings; also the time required to complete the contract.

With each bid must be sent a certified check for \$200.00, drawn to the order of the Treasurer of the United States, as a guarantee that the bidder will perform the work if the contract be awarded him; and, if the Department so desire, will execute a formal contract within two weeks from the receipt thereof for the said work, giving a satisfactory bond for the faithful performance of the same.

The checks of the unsuccessful bidders will be returned upon the award of the contract; that the successful bidder, upon the approval of the formal contract by the Secretary of the Treasury, or upon the satisfactory completion of the work, in case such contract shall not have been required. Should the successful bidder refuse or fail to execute such contract or bond, his check will be forfeited, and the contract become null, if the Secretary of the Treasury shall so direct.

Proposals will be considered only from parties giving satisfactory references.

Each bidder to submit with his bid samples as may be required for approval afterwards. No bid will be considered unless the check and samples are at this office at the time of the opening of the bids.

In case standard samples are on file in this office, or the bidder wishes samples submitted on some other building to apply to this bid, attention must be called thereto in his proposal, or the samples will not be considered as received.

The names of the officers of any corporation, or of the members of a firm, submitting a bid, must be given in full in the proposal, in addition to the corporation, or the firm, signature.

Parties obtaining copies of the drawings, &c., must return them within ____ days from the date of receipt.

Each proposal must be inclosed in an envelope, sealed, and indorsed "Proposal for the labor and materials required in the ~~erection and~~ completion of the ~~United States~~ excavation, underpinning concrete work for the extension of the U.S. Mint at Philadelphia, Pa. and addressed to the Supervising Architect, Treasury Department.

The Government reserves the right to reject any or all bids, and to waive defects, should it be deemed in its interest to do so.

Each bidder is requested to examine the building and site, and must assume responsibility for all errors or omissions on account of his failure to do so.

The dimensions given on the drawings are in accordance with the general plans; but as variations may occur, or may have occurred, in construction, the contractor is required to make his measurements at the building, construct his work accordingly, and will be held responsible for any errors in his figures and for the proper fitting of his work.

Conditions of Contract.

Proposals must include the furnishing of labor and materials – with scaffolding, fixtures, machinery, tools, &c. – necessary for the complete and substantial execution of everything described, shown, or reasonably implied in the specification and drawings, without any extra charge whatever, and to the satisfaction of the Supervising Architect, whose decisions on all questions pertaining thereto shall be final.

All materials must be the best of their several kinds, and all workmanship of the best quality.

The Supervising Architect reserves the right to make any alterations in the work without affecting the validity of the contract; the value of such alterations, at market rates, to be taken from or added to the amount to be paid under the contract, but no additional compensation will be allowed unless the price be first agreed upon and the work authorized, in writing, by the Supervising Architect.

The contractor must lay out his own work correctly, and be responsible for measurements. The contractor must give to the proper authorities all requisite notices, obtain official permits and licenses, and pay all proper fees for the same, and must be responsible for all damage or injury caused to persons and property through his operations.

The Supervising Architect, or the superintendent, may require the contractor to remove from the premises such of his materials or work as is not in accordance with the specification, and to substitute, without delay, satisfactory work and materials, the expense attending the same to be borne by the contractor.

~~Dwarf walls must in no case be connected by bound to main walls, but be left free; and sills, platforms, steps, &c., that are to rest on dwarf walls, must not be set until the main walls shall have settled.~~

All rubbish must be removed and the premises be left broom-clean.

Generally, payments will be made as the work progresses and in accordance with the terms of the contract, 10 per cent of the value of the work done being retained until the final acceptance of the work.

If the contractor fails to complete the work within the time specified in the contract, a forfeiture of fifty dollars will be exacted for each day's delay.

(For drawings, see No. 1, Addenda.)

3. – Excavation.

Excavation for building, trenches, pier-footings, ~~areas~~, &c., to be of depth and extent shown on drawings. The banks to be dug well away from walls and supported with timbers or sheet-piling where required. The bottoms of all excavations to be level and true.

All superfluous earth and rubbish to be removed after sufficient has been retained for grading and other purposes.

The excavation for soil-pipes, drains, man-holes, cut-offs, &c., ~~to be made as shown~~ will not be included.

From man-hole to sewer, about ____ feet of ____ best glazed earthenware drain-pipe to be laid as shown, all uniformly graded, the bed hollowed for hubs, all jointed with clear, fresh Portland cement, and the joints scraped smooth inside as laid. The trench to be left open until the pipe has been inspected.

Three-inch agricultural drainage-pipes to be furnished and laid all around the outside walls of the building, after the asphalt coat is on, with proper descent to pipe connecting with drain outlet of building, and to be covered with broken stone to within four inches of grade-line of ground, laid close to the asphalted walls, diminishing towards the top, the remainder of the opening to be filled with earth.

Rock Excavation.

The contractor to remove all rock, boulders, old masonry or brick-work, &c., that may be found while excavating, and to do all necessary blasting.

Where the building is to rest upon rock, stepping may be required for the trenches, and the whole pit to be excavated to a reasonably smooth level, to receive the concrete for cellar or basement floor, as shown on drawings.

(See No. 2, Addenda.)

4. – Concrete.

The trenches, of dimensions shown on drawings, to be filled with concrete. The concrete to be composed of five parts of sound stone, broken to about the size of 2-inch cube, two parts of clean sharp sand and one part of American hydraulic cement, to be well mixed and laid in layers about 6 inches thick and gently rammed down. Each layer to be wet before the next is added, and leveled with a skim coat of cement-mortar properly grouted in. Proper provision to be made for the passage of drain-pipes, &c., where necessary, or shown on drawings. Centers for inverted arches, where shown on drawings, to be formed of concrete to suit the line of the extrados of the brick arch.

The arches for wood floors to be leveled up to within 3 1/8 inches of finished floor with cement concrete. The concrete to be filled in to the top of the strips after the wooden strips are laid.

Concrete for tiled floors to be leveled up to within 2 inches of floor-line.

The floors of water-closet room, hall, and stair-hall in basement, to receive a layer of cement concrete 4 inches thick, with one coat of cement plaster, 1 inch thick, of half Portland cement and half sand, laid smooth and properly graded.

Stone Footings.

Stone footings to be furnished and set on top of concrete ~~or~~ where shown the number of ~~two~~ courses, ~~breaking joints~~, and of dimensions shown on drawings, and be of the different kinds of stone noted.

(See No. 3, Addenda.)

U.S. Mint Philadelphia, Pa.

Addenda.

1

The Contractor to furnish all labor and materials and do all the general and trench excavation, take down cross walls in East and West Pavilions, do all underpinning of walls and lay all the concrete foundations and stone footings required for the Extension of the U.S. Mint building at Philadelphia, Pa., in strict accordance with this specification and drawings Nos. 4 and 5.

Work Not Included.

The excavation for the drains, manholes, &c., will not be included.

Description of Drawings.

On the drawings the walls shown by hatched lines are new walls, all other work is old work and in place.

2

Taking Down Old Work.

The Contractor to take down the cross walls in Basement in the East and West Pavilions, on Chestnut Street front, also the arches and iron beams forming and supporting the first floor of these portions of the present building.

The material taken out of walls &c., to be cleaned by the contractor and neatly piled in such places as may be directed by the Superintendent and all refuse material and debris to be removed from the premises.

3

Underpinning.

The Contractor to do all necessary shoring, underpinning, &c., required and as shown on drawing. All necessary jacks, blocking, &c., to be furnished by the contractor and the contractor will be held responsible for any damage done to the building by improper shoring or underpinning.

Will. A. Freret.
Supervising Architect.

U.S. Mint Philadelphia, Pa.

Addenda.

1

The Contractor to furnish all labor and materials and do all the general and trench excavation, take down cross walls in East and West Pavilions, do all underpinning of walls and lay all the concrete foundations and stone footings required for the Extension of the U.S. Mint building at Philadelphia, Pa., in strict accordance with this specification and drawings Nos. 4 and 5.

Work Not Included.

The excavation for the drains, manholes, &c., will not be included.

Description of Drawings.

On the drawings the walls shown by hatched lines are new walls, all other work is old work and in place.

2

Taking Down Old Work.

The Contractor to take down the cross walls in Basement in the East and West Pavilions, on Chestnut Street front, also the arches and iron beams forming and supporting the first floor of these portions of the present building.

The material taken out of walls &c., to be cleaned by the contractor and neatly piled in such places as may be directed by the Superintendent and all refuse material and debris to be removed from the premises.

3

Underpinning.

The Contractor to do all necessary shoring, underpinning, &c., required and as shown on drawing. All necessary jacks, blocking, &c., to be furnished by the contractor and the contractor will be held responsible for any damage done to the building by improper shoring or underpinning.

Will. A. Freret.
Supervising Architect.

[Abstract:] Excavating, underpinning and concrete work & materials, Extension of the U.S. Mint, Phila. Pa.

17

Proposal for the Excavation, Underpinning, and Concrete Work required for the Extension of the U.S. Mint Building at Philadelphia, Pa.

Mr. Will A. Freret,
Supervising Architect,
Treasury Department,
Washington, D.C.

Sir:

_____ hereby propose to furnish all labor and materials required for the excavation, underpinning, and concrete work required for the U.S. Mint Building at Philadelphia, Pa.

In strict accordance with the specification and drawings, for the sum of _____

Time to complete _____

(Signature.) _____

(Address.) _____

Members of Firm: _____